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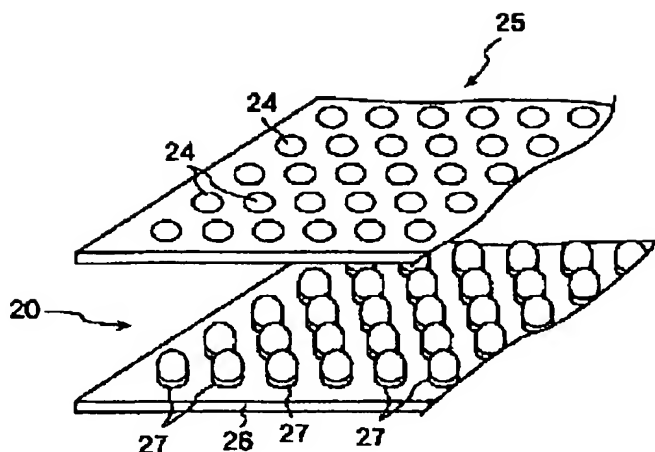
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TITLE : EXCITATION LIGHT SOURCE FOR
MICRO TITER PLATE



ABSTRACT : **PROBLEM TO BE SOLVED:** To efficiently and uniformly apply excitation light to a sample being accommodated in a well by equipping a plurality of LED light sources on a substrate corresponding to the positions of a plurality of wells being formed, at least, at a micro titer plate.

SOLUTION: An excitation light source 20 is provided with 96 LED light sources 27 on a substrate 26 corresponding to a well 24 of a micro titer plate 25 with 96 wells 24, and each light source 27 is composed so that it can independently emits light with a desired quantity of light by controlling a drive voltage being supplied to a corresponding driver circuit, thus applying excitation light to a sample being accommodated in each well with efficient and uniform light quantity. Each LED light source 27 can excite a fluorescent body, more efficiently and with low costs, by light with wavelength suited for exciting a fluorescent substance for labeling a sample being accommodated in each well by operating a selection switch in a driver circuit.

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